



**Request for City Council Committee Action  
From the Department of  
Public Works**

Date: February 4, 2003  
To: Transportation & Public Works Committee  
Referral to: Ways & Means/Budget

**Subject:** Reappropriation of Funds for fiber optic and interconnect work on Royalston Avenue from Glenwood Ave to 5<sup>th</sup> Ave. N.

Request an appropriation increase for the Royalston Ave. Bridge,  
S.A.P 141-291-01

**Recommendation:**

1. Decrease the appropriation for the PW – Transportation Capital Agency in the Permanent Improvement Fund (4100-943-9440 B1665010) by \$57,000 and decrease revenue source 3215 (4100-943-9440) by \$57,000 of MSA funds.
2. Increase the appropriation for the PW – Transportation Capital Agency in the Permanent Improvement Fund (4100-943-9440 B1693020) by \$57,000 and increase the revenue source (4100-943-9440-3215) by \$57,000 to be reimbursed by Municipal State Aid.
3. Increase the appropriation for the PW – Transportation Capital Agency in the Permanent Improvement Fund (4100-943-9440 B1665010) by \$25,000 and increase the revenue source (4100-943-9440-3220) by \$25,000 to be reimbursed by County State Aid.
4. Increase the appropriation for the Royalston Ave Bridge in the Permanent Improvement Projects Fund (4100 937 9386) by \$200,000, and increase the revenue source (4100 937 9386 3880) by \$130,000, and revenue source (4100 937 9386 3215) by \$70,000.
5. Decrease the appropriation for the Capital Improvements in the Permanent Improvement Projects Fund (4100 937 9372) by \$130,000 (Harrison Renovation Project).

**Previous Directives:**

Resolution 2002R-271 Increase Transportation's 2002 Field Operational Capital Fund (4100-943-9440) by \$160,000 to be reimbursed by MSA for signal and street lighting work.

Resolution 2001R-196 Request the City of Minneapolis to enter an agreement with the Minnesota Department of Transportation for Advance Construction Funding.

Resolution 99R-426 Adopted the 2000-2004 Five Year Capital Program. \$487,000 Municipal State Aid (MSA), and \$74,000 Net Debt Bonds and \$65,000 Assessment Bonds.

Resolution 2001R-450 Increased appropriation for \$498,369 to be reimbursed by Municipal State Aid (MSA) Funds 4100-937-9386

Prepared or Submitted by: Steven Mosing, P.E.

Approved: Brian Lokkesmoe, P. E., City Engineer, Interim Director of Public Works

By: \_\_\_\_\_  
Gregory A. Finstad, P.E., Director, Transportation and Parking Services  
Presenters in Committee: Gregory A. Finstad, P.E.  
Meseret Wolana, Engineer I, Engineering Services

**Financial Impact** (Check those that apply)

☐ No financial impact - or - Action is within current department budget.  
(If checked, go directly to Background/Supporting Information)

☒ Action requires an appropriation increase to the Capital Budget  
☐ Action requires an appropriation increase to the Operating Budget  
☒ Action provides increased revenue for appropriation increase  
☐ Action requires use of contingency or reserves  
☐ Other financial impact (Explain):

☐ Request provided to the Budget Office when provided to the Committee Coordinator

**Community Impact**

Comprehensive Plan Policies

Policy No. 8 – Strengthen our city through infrastructure investment

## **Background/Supporting Information Attached**

### **Summary**

The Transportation and Parking Services Division (T&PS) is proposing to transfer currently appropriated funds from its 2001 Field Operations Capital Fund (4100-943-9440) to the 2002 Field Operations Capital Fund (4100-943-9440) to fund additional fiber optic and traffic signal interconnection work in conjunction with the Royalston Avenue Bridge Project. The proposed funding transfer is possible due to the availability of additional County State Aid funds and a change in project scope for the 2001 Computerized Traffic Control Expansion Program.

Further, the Engineering Services Division is requesting the appropriation of additional funds, to be reimbursed from Municipal State funds, and the reappropriation of funds in the Permanent Improvement Projects fund (4100-937-9386) to pay for an expanded project scope.

Harrison Renovation Project is completed with minor work to be done in 2003. The reason there is available fund on Harrison Renovation Project is the unused Capital Improvement Fund rolled over to the next year, 2003.

### **History**

The Royalston Ave Bridge project has been an on going project since 1982. The complexity of the project, acquisition of right-of-way, presence of contaminated soil, construction of the new Bassett Creek Tunnel and erection of a temporary bridge increased the long term engineering cost. Further cost increases were related to vibration monitoring of the Bassett Creek Tunnel during pile driving, replacing substandard material (soil) with satisfactory material, and removal of an additional footing from the old Royalston Ave bridge.

Two payments remain for the bridge contractor with minor work to be completed in Spring, 2003.

During the construction of the Royalston Bridge Construction Project it was determined that a revised construction sequence would expand the T&PS construction scope and cost from the original estimate. This consisted of the temporary rerouting of a major traffic signal interconnect cable and replacement of a fiber optic phone and data transmission system, which were mounted on the old Royalston Avenue Bridge structure; this was not expected to be necessary with the original construction sequence.

The traffic signal interconnect cable mounted to the old bridge structure was used as communications media from the City's centralized traffic signal computer system to approximately 500 signalized intersections in downtown and much of Minneapolis. Communication with these signals allows T&PS to coordinate traffic by implementing

coordinated signal timing plans. The cable also communicates the status of signalized intersections to the central computer system, which allows City staff to respond efficiently to signal malfunctions as they are detected.

The fiber optic system routed across the old bridge provided the City's Royalston Maintenance Facility and the Traffic Engineering Building with phone and computer service.

The need to keep the interconnect system intact during the Royalston Ave bridge construction and the continuation of phone and computer service to two City buildings is the reason for this funding transfer request.

Some MSA funds designated in Transportation's 2001 Field Operation Capital are proposed to fund the additional costs that were incurred in completing the above work. These funds are available for two reasons - a reduction in the project scope and additional funds received from Hennepin County for T&PS's 2001 Computerized Traffic Signal Control Expansion Projects.